

Repairer Preventive Maintenance Checks and Services

4110-01-117-3902 Refrigerator, Mechanical, Blood Bank

[M-Monthly, Q-Quarterly, S-Semiannually, and A-Annually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	S	<p>Refrigerator</p> <p>a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.</p> <p>b. Check for broken, worn or damaged switches, indicators, and displays on the control panel.</p> <p>c. Check the electrical power cord for cuts, fraying, or deterioration.</p> <p>d. Ensure the proper power source by checking the jumper placement on the transformer.</p> <p>e. Perform a complete operational checkout of the refrigerator.</p> <p>f. Verify temperature controls as directed by the instructions for "Setting Cutler Hammer Control" in the maintenance manual. Ensure that the compressor turns on at 40° F (4° C) and off at 36° F (2° C) when the temperature control knob is set at the number 6 position.</p>	<p>Missing items preclude operation of the unit.</p> <p>Damage prevents refrigerator from operating or maintaining 36° - 40° F (2° - 4° C).</p> <p>The power cord is cracked or frayed, wires are not covered by the cord insulation, or damage prevents the refrigerator from operating or maintaining 36° - 40° F (2° - 4° C).</p> <p>Refrigerator does not operate or maintain 36° - 40° F (2° - 4° C).</p>
2	S	<p>Doors</p> <p>a. Verify that the doors close and seal properly. Inspect door gasket for accumulation of dirt, wear, or deterioration.</p> <p>b. Inspect the door hinges for loose or missing hardware.</p>	<p>Defective door gasket prevents refrigerator from operating or maintaining 36° - 40° F (2° - 4° C).</p> <p>Loose or missing hardware prevents refrigerator from operating or maintaining 36° - 40° F (2° - 4° C).</p>
3	S	<p>Drawers</p> <p>Ensure that the drawers are unobstructed and move freely.</p>	<p>Obstructed or damaged drawers prevent refrigerator doors from sealing.</p>
4	S	<p>Condensing Unit</p> <p>Inspect the fan's condensing unit for damage, dust, lint or other foreign substances. Inspect condenser drip pan for a buildup of grease or other deposits.</p>	

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5	S	<p>Fan</p> <p>Inspect fan and fan guard for damage, wear, and an accumulation of dust or grease.</p>	The fan does not operate.
6	A	<p>Maintaining Refrigerator</p> <p>a. Verify that the refrigerator has been maintained according to the Operator Preventive Maintenance Checks and Services.</p> <p>b. Ensure the "General Maintenance Instructions" are conducted as directed by the manufacturer's literature.</p> <p>c. Verify electrical safety.</p>	The refrigerator fails any of the electrical safety tests.
7	A	<p>Temperature Recorder</p> <p>a. Ensure the temperature recorder is functioning as stated by the manufacturer's maintenance manual.</p> <p>b. If needed, calibrate as directed by the manufacturer's maintenance manual.</p>	
8	A	<p>Temperature Surveillance Module</p> <p>a. Ensure the module is installed as directed by the manufacturer's maintenance manual.</p> <p>b. Ensure that the five basic functions, listed below, are operating as directed by the manufacturer's maintenance manual.</p> <p style="margin-left: 40px;">(1) Constant, 24 hour, surveillance of temperature within the refrigerator cabinet.</p> <p style="margin-left: 40px;">(2) Constant display of solution (or product) temperature with provision for user to select and momentarily display temperature in another location within the refrigerator.</p> <p style="margin-left: 40px;">(3) Constant monitoring of the presence of primary power to the refrigerator.</p> <p style="margin-left: 40px;">(4) A "door ajar" status indicator.</p> <p style="margin-left: 40px;">(5) Low battery indication.</p> <p>c. If needed, calibrate the T100-1 module as directed by the manufacturer's maintenance manual.</p>	Any of the five functions are inoperative.